THE UNIVERSITY OF ALABAMA

INVITATION FOR BID

ATTENTION: This is not an order. Read all instructions and terms and conditions carefully.

INVITATION NO.:	**T053044**
Issue Date:	**03/21/13**
Title:	**Pedestrian Bridge**
Buyer:	**Robin Schmitt**
Phone:	**(205) 348-5385**
Email:	**rschmitt@fa.ua.edu**

RETURN ALL COPIES OF BIDS TO:
THE UNIVERSITY OF ALABAMA
PURCHASING DEPARTMENT
(Street Address) 1101 Jackson Ave Suite 3000
Tuscaloosa, Alabama 35401
OR
(Mailing Address) Box 870130
Tuscaloosa, Alabama 35487
PHONE: (205)348-5230 FAX: (205) 348-8706

Bid Responses may NOT be faxed or emailed.

IMPORTANT: SEALED BIDS MUST BE RECEIVED BY 04/05/2013 @ 2:00 P.M. CST TIME

Bid number and opening date must be clearly marked on the outside of all bid packages.

1. Pursuant to the provisions of the State of Alabama Competitive Bid Law, Section 41-16-20 and/or 39-2, rules and regulations adopted there under sealed bids will be received on the items noted herein by The University of Alabama Purchasing Department until the date and time stated above. In accordance with Alabama State Bid Law Section 41-16-27, where applicable, the University reserves the right to enter into negotiations within thirty (30) days of the bid opening.
2. The University's General Terms and Conditions and Instructions to Bidders, apply to this Solicitation and shall become a part of any contract issued hereunder.
3. For purposes of this Solicitation, the Solicitation documents shall consist of the following components:
   a) Invitation for Bid and any Addenda; b) General Terms and Conditions; c) Instructions to Bidders
   In the event that any provision of the component parts of the Solicitation conflicts with any provision of any other component parts, the component part first enumerated shall govern.
4. This Agreement and any disputes hereunder shall be governed by the laws of the State of Alabama without regard to conflict of law principles.

CERTIFICATION PURSUANT TO ACT NO. 2006-557

Alabama law (section 41-4-116, code of Alabama 1975) provides that every bid submitted and contract executed shall contain a certification that the vendor, contractor, and all of its affiliates that make sales for delivery into Alabama or leases for use in Alabama are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases in Alabama. **By submitting a response to this solicitation, the bidder is hereby certifying that they are in full compliance with Act No. 2006-557**; they are not barred from bidding or entering into a contract pursuant to 41-4-116, and acknowledges that The University of Alabama may declare the contract void if the certification is false.

DISCLOSURE STATEMENT

1. If you or any owner, officer, partner, board or director member, employee, or holder of more than 5% of the fair market value of your firm or any member of their households is an employee of The University of Alabama, this information must be included in your solicitation response. Failure to disclose this information in your response may result in the elimination of your proposal from evaluation.
2. If you or any owner, officer, partner, board or director member, employee, or holder of more than 5% of the fair market value of your firm or any member of their households is an employee of The University of Alabama; and you or your firm is awarded a contract as a result of this solicitation, then within ten (10) days after the contract is entered into, you agree to file a copy of that contract with the State of Alabama Ethics Commission in accordance with Code of Alabama, Section 36-25-11 and upon request by the University furnish evidence of such filing.
3. By accepting payments agreed to in any purchase order resulting from this bid, Contractor certifies that to its knowledge no University employee or official, and no family members of a University employee or official, will receive a benefit from these payments, except as has been previously disclosed, in writing, to the University on the Disclosure Statement of Relationship Between Contractors/Grantees and Employees/Officials of The University of Alabama.

AUTHENTICATION OF BID AND STATEMENT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided in Code of Alabama 6-5-180 that

1. In accordance with Code of Alabama Section 41-16-25, amended 1975 that the attached response has been arrived at independently and has been submitted without collusion with, and without any agreement, understanding or planned common course of action with, any other vendor of materials, supplies, equipment or services described in the Invitation for Bids, designed to limit independent bidding or competition;
2. The contents of the bid or bids have not been communicated by the bidder or its employees or agents to any person not an employee or agent of the bidder or its surety on any bond furnished with the bid or bids and will not be communicated to any such person prior to the official opening of the bid or bids.
3. The bidder is legally entitled to enter into contracts with The University of Alabama and is not in violation of any prohibited conflict of interest, including those prohibited by the Code of Alabama 13A-10-62, as amended 1975.
4. I have fully informed myself regarding the accuracy of the statement made above.

THIS AREA MUST BE COMPLETED

DELIVERY AFTER RECEIPT OF ORDER:	**NAME OF COMPANY:**	**PHONE:**
FEDERAL EMPLOYER ID NO.:	**ADDRESS:**	**FAX:**
PAYMENT TERMS:	**ADDRESS:**	**E-MAIL:**
SHIPPING TERMS: **F.O.B. DESTINATION–PREPAID AND ALLOWED**	**CITY, STATE & ZIP CODE:**	**DATE:**
QUOTE VALID UNTIL:	**SIGNATURE:**	**Typed/Printed Name of Signor**

SIGNATURE REQUIRED: This bid cannot be considered valid unless signed and dated by an authorized agent of the bidder. Type or print the information requested in the spaces provided.

Please Note New Bid Specification and Requirements Indicated Below

State of Alabama Immigration Law

If the successful bidder is located in Alabama or employs an individual or individuals within the State of Alabama, the successful bidder shall provide a copy of its Employment Eligibility Verification (E-Verify) company profile. To expedite the ordering process, this document may be submitted with the bid response.

If the successful bidder is not located in the State of Alabama and does not employ an individual or individuals within the State of Alabama, the successful bidder shall complete and return the Certification of Compliance form included with this Request for Price Quotation (E-Verify company profile is not required). To expedite the ordering process, this document may be submitted with the bid response.

If you are not currently enrolled in E-Verify, follow these instructions:

- Log onto www.uscis.gov/everify
- Click "Getting Started" for information about the program, requirements, and enrollment process.
- Click "Enroll in E-Verify" and begin enrollment process.
- When enrollment process is complete, click "Edit Company Profile" and print this one-page document.
- This one-page document must be submitted prior to a contract or purchase order being issued.
- For further assistance please consult the E-Verify Quick Reference Guide.

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The following has been added to the University of Alabama's General Terms and Conditions

35. State of Alabama Immigration Law

Pursuant to the State of Alabama Immigration Law, by signing this contract, the contracting parties affirm, for the duration of the agreement, that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.

INVITATION FOR BID

The University of Alabama requests sealed bids as per attached general and technical specifications or equal unless otherwise specified in the Special Conditions.

All Bidders submitting a bid must read all specifications carefully and respond accordingly. Failure to do so may eliminate your bid from consideration due to non-compliance.

1.0 GENERAL SPECIFICATIONS

1.1 All bid responses, technical information and any other attachments furnished to The University of Alabama in response to this request for quotation must be submitted in duplicate (THE ORIGINAL BID AND ATTACHMENTS WITH ORIGINAL SIGNATURE AND ONE EXACT COPY OF THE ENTIRE BID RESPONSE). Bidders who fail to follow this format may be disqualified from the evaluation and award phase of this bid.

1.2 The stated requirements appearing elsewhere in this solicitation shall become a part of the terms and conditions of any resulting contract. Any deviations there from must be specifically defined. If accepted by the University, the deviations shall become part of the contract, but such deviations must not be in conflict with the basic nature of this solicitation.

Note: Bidders shall not submit their standard terms and conditions or purchase order terms as exceptions to or modification of the terms and conditions of this solicitation. Each exception to or modification of a University term and condition shall be individually listed by the bidder. Failure to follow this instruction may result in the determination that a bid submission is non-responsive to a solicitation and the rejection of that bid.

1.3 The issuance of a University Purchase Order (P#) or a signed Contract document is required to constitute a contract between the successful Bidder and the University which shall bind the successful Bidder to furnish and deliver the commodities ordered at the prices, terms and conditions quoted and in accordance with the specifications of this Solicitation as well as the terms and conditions of the University's Purchase Order or Contract. No shipments are to be made to The University of Alabama without the issuance of a Purchase Order (P#). (Bidders are not to accept or ship items against a requisition number "R" #.)

1.4 Any questions concerning these specifications should be directed to the Buyer listed on the signature page.

1.5 No department, school or office at the University has the authority to solicit or receive official Solicitations nor authorize Solicitation or Contract changes other than the Purchasing Department. All solicitations are issued under the direct supervision of the Associate Director for Purchasing and in complete accordance with the State of Alabama Bid Law, Section 41-16-20 and University policies and procedures.

1.6 The terms and conditions included in this Solicitation along with any addenda, any University contract and/or University purchase order(s) issued referencing this Solicitation, the University's General Terms and Conditions, Instructions to Bidders shall constitute the entire and exclusive Contract between the University and the successful Bidder.

1.7 **State of Alabama Immigration Law**

If the successful bidder is located in Alabama or employs an individual or individuals within the State of Alabama, the successful bidder shall provide a copy of its Employment Eligibility Verification (E-Verify) company profile. To expedite the ordering process, this document may be submitted with the bid response.

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- This one-page document must be submitted prior to a contract or purchase order being issued.

2.0 QUALIFICATIONS AND STANDARDS

Due to the importance of maintaining a safe University environment, it is imperative that the successful bidder meet certain qualifications that will guarantee The University of Alabama the successful Bidder is qualified to furnish and deliver products, equipment and services or furnish, deliver, install, service and/or repair equipment whichever is applicable as required in this Solicitation. In order for Bidders to qualify, the following requirements must be fulfilled:

2.1 The Bidder must provide, in writing, a statement that the Bidder has been regularly engaged in business for a minimum three (3) years engaging in furnishing, delivering, servicing, repairing and installing, equipment, goods, or services required in this Solicitation. In lieu of the minimum number of years in business, a performance bond may be submitted in the amount of one hundred (100 %) per cent of the contract price. This bond will be used to secure the completion of the project should the successful Bidder default for any reason. Failure to comply with this requirement may eliminate your bid response from consideration.

2.2 Each bidder required to provide a bond, shall submit a letter from a bonding agent licensed to do business in the State of Alabama stating that if the bidding company is the successful bidder, said bonding agent will furnish a 100% performance and payment bond covering and including products and service for the duration of the contract period. Said bond shall be subject to the approval and acceptance of The University of Alabama. The bond must be furnished to the University Purchasing Department within forty-eight (48) hours after receipt of the purchase order. The premium of the bond shall be paid by the successful bidder. Failure to provide the bond letter or bond will eliminate your bid from consideration in the bid award.

3.0 REFERENCES

References must include at least three (3) other universities, institutions or businesses, which the bidder has successfully provided products, services or installation of equipment similar to those required in this Solicitation in terms of manufacturer, size, features, service or type of installation. The references must include company name, address, project/delivery date, contact name, phone number, and email address.

4.0 PRODUCT SPECIFICATIONS

Specify all terms and conditions of the warranties associated with your products with your bid response.

5.0 PRICE QUOTATION

5.1 IMPORTANT: It is required that the PRICE QUOTATION SHEET(S) furnished with this Request for Price Quotation be completed and submitted with your proposal. DO NOT send generated price lists as your bid. Failure to comply with this request may eliminate your bid from consideration in the bid award.

5.2 All prices shall be quoted furnish and install (if applicable) FOB The University of Alabama, Tuscaloosa, AL 35487 prepay and allowed. Unit prices quoted must include any and all shipping and handling charges. Any freight claims will be the responsibility of the Bidder. The successful Bidder must transport at the time of set-up, the equipment and supplies necessary for this installation to campus. No direct shipments will be accepted.

5.3 It is the Bidder's responsibility to verify any information, measurements and obtain any clarifications prior to submitting the bid response. The University is not liable for any errors or misinterpretations made by the Bidder in response to this Solicitation.

5.4 The successful Bidder under the specifications required in this Solicitation shall furnish at its expense all equipment, labor, tools, supplies, transportation, insurance and other expenses necessary to fully perform any phase of the requirements of this Solicitation.

5.5 Quote prices firm for a period of ninety (90) days following the bid opening date unless otherwise stated in the Special Conditions. Bids that do not guarantee pricing firm for this period may be eliminated. Failure to quote the term for which your prices will remain firm may eliminate your bid from consideration.

5.6 The quoted price must include but not be limited to all cables, wires, connectors, etc. to make a complete functioning unit unless specifically stated in the special conditions.

5.7 Include with your bid response complete details of your company's Return Merchandise policy, including, but not limited to, amount of any restocking fee required, procedures, limitations, contact person and phone number. While the University does not enter into any purchase with the intent to return items ordered, we do require this information be included with your bid response. Failure to include this information may be grounds for elimination of your bid from consideration.

6.0 DELIVERY, INSTALLATION AND TRAINING REQUIREMENTS

6.1 Proposed delivery dates shall be stated in number of calendar days after receipt of order.

6.2 All items must be delivered directly to the University by the successful Bidder and placed according to the instructions supplied by the University.

7.0 INSURANCE

7.1 See General Terms and Conditions for general Insurance Requirements, Additional Insurance requirements may be listed in the Special Conditions Section.

7.2 The successful Bidder shall provide the University Purchasing Department a certificate of insurance listing the required types of insurance and minimum liabilities specified in the General Terms and Conditions unless otherwise modified in the Special Conditions.

7.3 The certificate must be received by The University of Alabama Purchasing Department within three (3) days of request. Failure to comply with this request may eliminate your bid from consideration in the bid award.

7.4 The University reserves the right to terminate any resulting contract, if the Bidder fails to keep these policies in force for the above amounts or for the duration of the contract period.

7.5 The umbrella policy must be listed on the insurance certificate with an explanation of the coverage.

8.0 RESTRICTIONS ON COMMUNICATIONS WITH UNIVERSITY STAFF

From the issue date of this Solicitation until a Contractor is selected and a contract award is made, Bidders are not allowed to communicate about the subject of the IFB with any University administrator faculty, staff, or members of the Board of Trustees except:

- The Purchasing Department representative, any University Purchasing Official representing the University administration, or others authorized in writing by the Purchasing Office and
- University Representatives during Bidder presentations.

If violation of this provision occurs, the University reserves the right to reject the Bidder's response to this Solicitation.

SPECIAL CONDITIONS

9.1 The University of Alabama is requesting sealed bids to establish a contract upon date of award to Furnish and Deliver a pre-fabricated, pre-finished Pedestrian Bridge per attached general and technical specifications.

9.2 The Pedestrian Bridge must be delivered by the manufacturer to a designated site location by July 16, 2013.

9.3 **THIS BID IS FOR PRODUCT ONLY. The University of Alabama will purchase the bridge from the manufacturer and assign a contractor separately to coordinate delivery and sequencing.**

9.4 Drawings and general provisions of the Contract, including specifications and summary of work schedule expected are attached in this bid request.

9.5 The University of Alabama intends to assign this contract to a General Contractor to coordinate and schedule delivery. The University of Alabama intends to issue a purchase order to the awarded vendor and make payment for product.

9.6 The warranty date starts at the substantial completion of the bridge installation project, not when the bridge is delivered.

9.7 Any questions regarding this bid contact should be emailed to rschmitt@fa.ua.edu by Noon on Monday April 1, 2013.

10.0 QUOTE SHEET

SCOPE: **The University of Alabama is requesting sealed bids to establish a contract upon date of award to Furnish and Deliver a pre-fabricated, pre-finished Pedestrian Bridge as per attached drawings and general and technical specifications.**

IMPORTANT: **The quoted costs must include all shipping, handling, permits, and freight charges. Quote prices FOB The University of Alabama Prepaid and Allowed delivered unless otherwise noted in Solicitation.**

QUOTE THE FOLLOWING:

SECTION 1:

DESCRIPTION	TOTAL COST
Pre-fabricated, Pre-finished Pedestrian Bridge (see attached drawings and specifications)	$_____

SECTION 2: WARRANTY INFORMATION:

Can you meet the delivery requirement of 07/16/2013? YES _____ NO _____

If no please explain _____

Do you understand the warranty date starts at the substantial completion of the bridge installation project, not when the bridge is delivered? YES _____ NO _____

Please indicate if you can accept ACH payments (direct deposit): YES _____ NO _____

PROJECT MANUAL PKG A

Hackberry Lane Pedestrian Bridge Replacement for The Board of Trustees of the University of Alabama Tuscaloosa, Alabama

Package A – Bridge Structure Procurement

UA#000-13-045
WSV Project No. 12-059A
March 20, 2013

OWNER: **The University of Alabama**
1205 Fourteenth Street
Tuscaloosa, Alabama 35487
(205) 348-5950

ARCHITECT: **WSV Architects, Inc.**
2715 Seventh Street
Tuscaloosa, Alabama 35401
(205) 345-6110

CIVIL ENGINEER: **Almon Associates, Inc.**
2008 12th Street
Tuscaloosa, Alabama 35403
(205) 349-2100

STRUCTURAL ENGINEER: **Almon Associates, Inc.**
2008 12th Street
Tuscaloosa, Alabama 35403
(205) 349-2100

ELECTRICAL ENGINEER: **R. H. Smith & Associates**
2110 8th St
Tuscaloosa, Alabama 35401
(205) 345-4402

TABLE OF CONTENTS

DIVISION 1 - GENERAL REQUIREMENTS
01100 ----- SUMMARY

DIVISION 2 - SITE CONSTRUCTION
13126 ----- PRE-FABRICATED PEDESTRIAN BRIDGE

SECTION 01100 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Invitation For Bid, and other Specifications, apply to this Section.

1.2 WORK COVERED BY CONTRACT DOCUMENTS

A. Project Identification: Project consists of procurement of a pre-fabricated, pre-finished Pedestrian Bridge delivered for installation by Others under concurrent, separate contract.

1. Project Location: The University of Alabama, Tuscaloosa, Alabama.
2. Owner: The University of Alabama

B. Architect Identification: The Contract Documents were prepared for project by WSV Architects, Inc.

C. Project Manager: The University of Alabama Dept. of Construction Administration.

D. The Work as described by the contract Documents and, generally, consisting of construction specific to the replacement of an existing pedestrian bridge with a new, larger bridge as described by the Contract Documents.

1.3 WORK UNDER SEPARATE CONTRACTS

A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.

B. Preceding Work: Owner has awarded separate contract(s) for the following operations at Project site. Those operations are to be scheduled in concert with work under this Contract.

1. Package B – Removal and relocation of existing pedestrian bridge.
2. Package B – Construction of bridge abutments, concrete placement and finishing, and associated electrical work.

C. Concurrent Work: Owner will award separate contract(s) for the following construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract.

1. Package B – Setting and erection of New Pre-fabricated Bridge once delivered to Site.
2. Package B – Concrete bridge surface placement and finishing, and associated electrical work.

D. Subsequent Work: Owner will award separate contract(s) for the following additional work to be performed at site following Substantial Completion. Completion of that work will depend on successful completion of preparatory work under this Contract.

1. Package B – Building and Site Completion.

1.4 WORK SEQUENCE

A. The Work will be conducted in coordination with the Owner’s concurrent construction contracts for Project/Building Completion and in coordination with UA Project Managment.

1.5 PRIME CONTRACTORS USE OF PREMISES

A. Use of the Site: Limit use of the premises to work in areas indicated. Confine operations to areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the Work is indicated.

1.6 TIME OF COMPLETION

A. The Agreement will include a stipulation that the work shall be completed, the Contractor's equipment removed from the Site be completed according to the Schedule.

B. Notice to Proceed: Scheduled date of Notice to Proceed (NTP) is **April 8, 2013**.

C. Substantial Completion:

1. The scheduled date of Substantial Completion / delivery to Site is **July 16, 2013**.

1.7 LIQUIDATED DAMAGES

A. Liquidate Damages: As stipulated in the General Conditions.

B. Partial Damages: Liquidated Damages may be calculated proportionally in relation to failure to deliver scheduled areas for occupancy.

1.8 SUPPLEMENTARY INSTRUCTIONS

A. Coordination is critical to the success of this project. Coordination is required to allow for proper execution of the work with concurrent contractors on site. Coordination meetings will be required between all contractors on site. Coordination issues include but are not limited to the following:
   1. Hoisting
   2. Safety
   3. Site access (including roadway and building perimeter maintenance)
   4. Perimeter fencing
   5. Sleeving
   6. In-slab rough-in
   7. Lay-down
   8. Debris removal
   9. Dust control
   10. Embedded items
   11. Blasting

B. Safety
   1. Compliance with OSHA and all safety regulations.
      a. Any required Fall/Barrier Protection installed and maintained throughout the duration of this contract is to be removed by this Contractor.
      b. Overhead protection to be provided in accordance with OSHA requirements for contractors working underneath. Additional protection deemed necessary by the contractor or that is required by an agency having jurisdiction is to be provided by the contractor.
   2. Coordinate traffic control for equipment, vehicles, and material entering and exiting the site.

C. Schedule to comply and shall include, but not be limited to, the following milestones:
   1. Submittal of Shop Drawings for Approval
   2. Product Delivery Dates
   3. Other critical path milestones or durations

D. Engineering: The owner's testing and inspecting agency to work with contractor in providing data and required reports to the contractor. Contractor to provide written acceptance of existing conditions, surveys and reports prior to performing related work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01100

SECTION 13126 – PRE-FABRICATED BRIDGE

1.1 GENERAL

A. Basis of Design: These specifications are for a fully engineered clear span bridge of welded steel construction and shall be regarded as minimum standards for design and construction. Manufacturers other than those listed below may be used provided they are pre-approved by the Project Manager five (5) days prior to bid and they meet or exceed all the following specifications.

B. The bridge manufacturer shall have been in the business of design and fabrication of bridges for a minimum of five years and provide a list of ten successful bridge projects, of similar construction, each of which has been in service at least three years.

C. The bridge supplier shall be the designer and fabricator of the bridge and shall not assign, sublet, or subcontract any part of the bridge fabrication.

D. The specific type bridge required will be a:

1. Modified bow truss style bridge as indicated on design drawings.
2. Intent is to retain close similarity to the existing pedestrian bridge that is to be replaced by this scope of work.

E. Basis-of-Design Manufacturer: (Based on existing bridge design)

1. Contech Engineered Solutions (Steadfast Bridge); Mr. Tod Green, 1900 Crestwood Blvd., Birmingham, AL 35201, Ph: 205-306-3277

F. Additional Approved Bridge Manufacturers:

1. Big-R Bridges
2. Excel Bridge Manufacturing Company
3. Pioneer Bridges, a Division of Bailey Bridges, Inc.

1.2 DIMENSIONS

A. Width: As indicated on design drawings

B. Span: As indicated on design drawings

C. Camber: Bridge shall be cambered to offset dead load and appear flat.

D. All vertical truss members shall be perpendicular to the ground (horizon) after the bridge is erected and dead loads applied.

1.3 DESIGN

A. Open truss bridges shall be designed by a professional engineer experienced in pony truss bridge design and top chord stability criteria utilizing elastic lateral restraints.

B. In addition to normal dead loads, the bridge shall be designed for the following:

C. Uniform Live Load: Pedestrian bridges shall be designed for an evenly distributed live load of 85 pounds per square foot of deck area. For primary truss members, when the deck area exceeds 400 square feet, the load may be reduced in accordance with the following formula

D.

$$w = 85(0.25 + 15 / (A^{.5}))$$

where w is the pedestrian load (psf) and A is the deck influence area.

The reduced design load shall not be less than 65 psf.

E. Vehicle Load: Bridges will also be designed to withstand a moving concentrated load of a vehicle weighing 1000 pounds per foot of bridge width (up to 10,000 pounds). The vehicle load shall be distributed such that 80% of the load is on the rear axle (per AASHTO).

F. Wind Load: All bridges shall be designed for a minimum wind load of (30) pounds per square foot (approximately 100 mph). The wind is calculated on the entire vertical surface of the bridge as if fully enclosed. The wind load shall change proportional to the square of the change in design velocity for local requirements.

G. Design Criteria: The design of the bridge shall be in accordance with the "American Institute of Steel Construction"; "Allowable Stress Design", June 1, 1989 or latest edition. Tubular members and their connections shall be designed per the AISC “Hollow Structural Sections Connections Manual” latest edition.

H. Seismic: All bridges shall be designed for seismic loads of the intensity required by local codes.

I. Temperature: Bridge shall be designed to accommodate a temperature differential of 120 degrees Fahrenheit. Slip pads of UHMW polyethylene shall be placed between the smooth surface of this setting plate and the smooth bearing plate of the bridge. At least 1" clearance shall be provided between the bridge and concrete abutments.

J. Deflection: The vertical deflection of the bridge due to pedestrian live load shall not exceed 1/400 of the span length. The maximum deflection due to vehicular loads shall not exceed 1/800 of the span length. For pedestrian comfort, the minimum live load used for the deflection check shall be a minimum of 600 pounds per lineal foot of bridge. The horizontal deflection due to lateral wind load shall not exceed 1/500 of the span length.

1.4 SUBMITTALS

A. Manufacturer shall submit Design / Shop drawings to Owner at the earliest possible date in order to facilitate coordination with separate General Construction Contract, the design of the abutments and connected structures. Provide a submittal schedule milestone date within five days of contract award.

1.5 MATERIALS

A. All structural members shall have a minimum thickness of material of at least 3/16".

B. Painted Steel bridges shall be fabricated from ASTM A572, (Fy) greater than 50,000 psi and tubular sections from ASTM A500, (Fy) greater than 50,000 psi.

C. Concrete Floor Forms: shall be completely formed by the bridge manufacturer with a minimum of 20 gauge galvanized floor deck. The floor deck shall be manufactured by a member of the Steel Deck Institute or have their deck properties certified by the Steel Deck Institute. The slab shall carry a 200 pounds per square foot superimposed live load. The pouring and finishing of 4000 psi lightweight concrete (no additives allowed) and the furnishing of the reinforcement shall be the responsibility of the General Contractor. After the concrete has cured, an appropriate sealer to be applied by the General Contractor.

D. Field splices shall be bolted with High Strength ASTM A325 bolts; type 3 bolts are required for weathering steel bridges.

E. Welding materials shall be in strict accordance with the American Welding Society (AWS). Structural welding code, D1.1. Filler metal as specified in 4.1 shall be used for the particular welding process required. Welders will be certified in accordance with AWS D1.1.

1.6 FABRICATION AND QUALITY CONTROL

A. Bridge fabricator shall be certified by the American Institute of Steel Construction to have the personnel, organization, experience, capability, and commitment to produce fabricated structural steel for Conventional Steel Structures and Major Steel Bridge Structures with Sophisticated Paint Endorsement as set forth in the AISC Certification Program.

B. To ensure quality control during bridge fabrication, the bridge supplier shall be the designer and fabricator of the bridge and shall not assign, sublet, or subcontract any part of the bridge fabrication.

C. Workmanship, fabrication, and shop connections shall be in accordance with American Association of State Highway and Transportation Officials Specifications (AASHTO).

D. Each bridge shall be inspected by a Certified Weld Inspector that is qualified under the AWS QC-1 program. This inspection shall include as a minimum requirement the following: review of shop drawings, weld procedures, welder qualifications and weld testing reports, visual inspection of welds and verification of overall dimensions and geometry of the bridge. A report shall be produced indicating the above items were reviewed. The report shall be signed by the CWI, signifying compliance with AWS D1.1 codes.

E. All structural elements used in the bridge shall be identified by heat number of the steel member used. Specific mill test reports and individual welder certificates shall be tracked and kept on file to be provided at the request of the owner or engineer.

F. Welding operators shall be properly accredited experienced operators, each of whom shall submit satisfactory evidence of experience and skill in welding structural steel with the kind of welding to be used in the work, and who have demonstrated the ability to make uniform good welds meeting the size and type of weld required.

G. All welding shall utilize E70 or E80 series electrodes. The weld process used shall be Flux Core Arc Welding (FCAW) or Gas Metal Arc Welding (GMAW) or Shielded Manual Arc Welding (SMAW per ANSI/AASHTO/AWS D1.5) “Bridge Welding Code.”

H. The connection of bridge end post to top chord should be a mitered joint with the exposed welds ground smooth.

I. The connection of the floor beam to a pony truss system shall not be solely into the side of a tubular bottom chord without the use of additional stiffeners.

1.7 RAILINGS & ACCESSORIES

A. All railings shall have a smooth inside surface with no protrusions or depressions. All ends of angles and tubes shall be closed and ground smooth.

1. Heights of railings:

a. 54” above floor deck in accordance with AASHTO.

B. Safety Rails: Continuous rails shall be located on the inside of the trusses as indicated on the drawings.

C. Toe Plate: A 5" steel channel shall be located 2" above the floor deck.

D. Fencing: Wire mesh fencing shall be factory installed to meet AASHTO requirements for highway overpasses. The fence shall be located on both sides of the bridge up to a height indicated on the drawings.

1. The wire mesh fencing shall be vinyl coated with a maximum opening of 1” inch.

1.8 FINISHES

A. All exposed surfaces of bridges shall be sand blasted in accordance with the Steel Structures Painting Council (SSPC) Surface Preparation Specification No. 6 "Commercial Blast Cleaning".

B. Bridge shall be painted by the bridge manufacturer. The manufacturer shall have an AISC certified shop with Sophisticated Paint Endorsement.

1. The bridge shall be painted with an epoxy primer (“Devran 4170” by Devoe Coatings) followed by an Aliphatic Urethane Gloss Enamel topcoat (“Devthane 4708” by Devoe Coatings) or approved equal.
2. Bridges shall be provided with paint for touch up after erection.

1.9 DELIVERY AND ERECTION

A. Bridges will be delivered by truck to a location nearest to the site accessible by roads. Hauling permits and freight charges are the responsibility of the manufacturer.

B. The manufacturer will notify the customer in advance of the expected arrival time. Information regarding delays after the trucks depart the plant such as inclement weather, delays in permits, re-routing by public agencies or other circumstances will be communicated to the customer for determination of additional expense due to unavoidable delays.

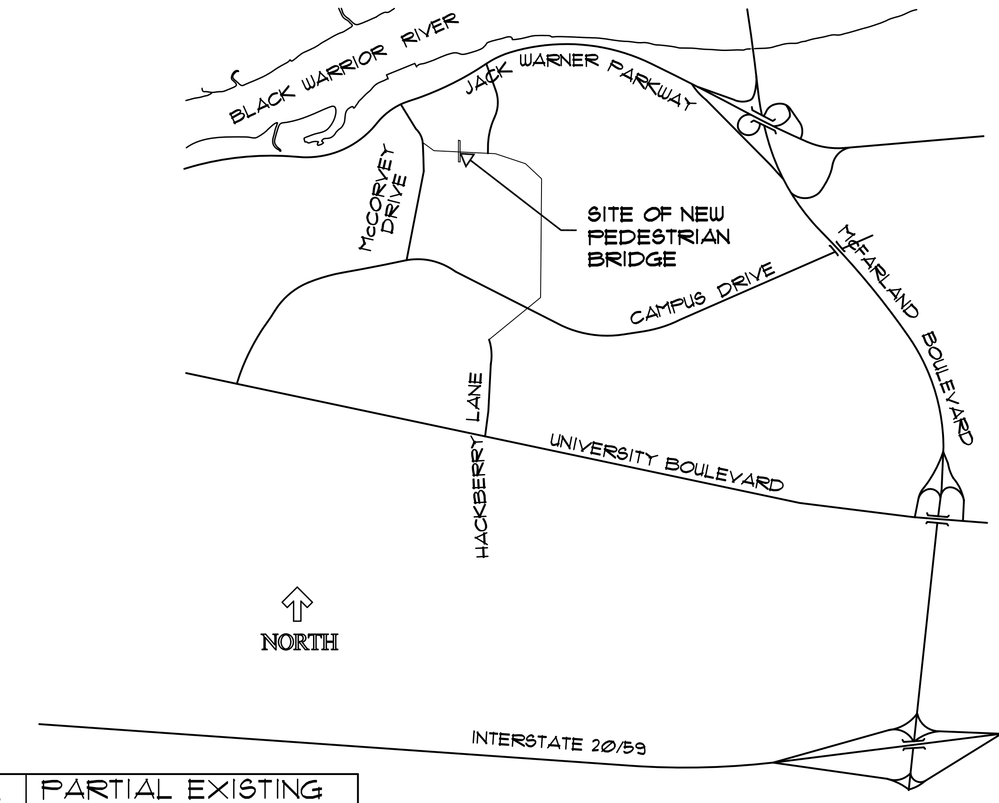
C. The manufacturer will advise the customer of the actual lifting weights, attachment points and all necessary information to install the bridge. Unloading, splicing, bolting, and proper lifting equipment is the responsibility of others.

D. The owner shall procure all necessary information about the site and soil conditions. The engineering design and construction of the bridge abutments, piers and/or footing shall be as indicated in the concurrent, separate Contract Documents. The installer shall install the anchor bolts in accordance with the manufacturer's anchor bolt spacing dimensions.

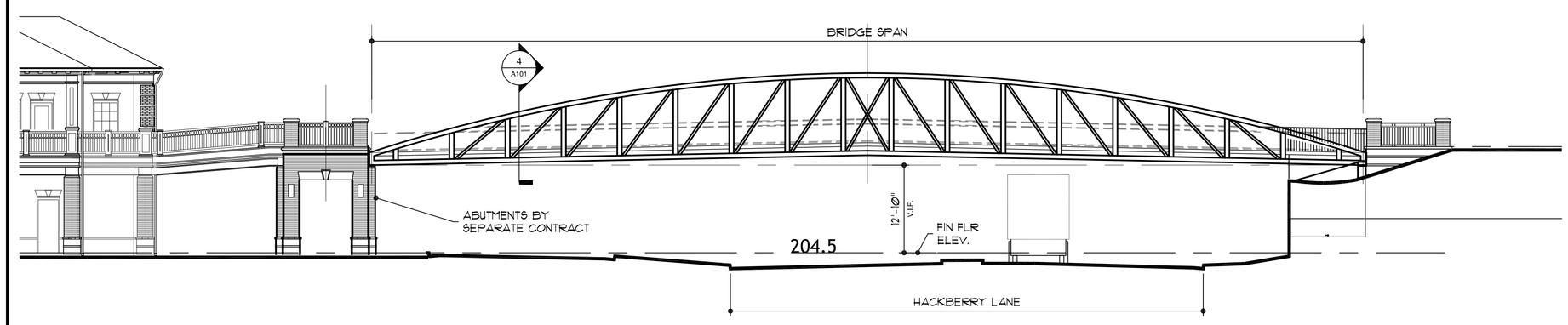
1.10 WARRANTY

A. The manufacturer shall provide a warranty against defects in material and workmanship for a period of ten years.

END OF SECTION 13126

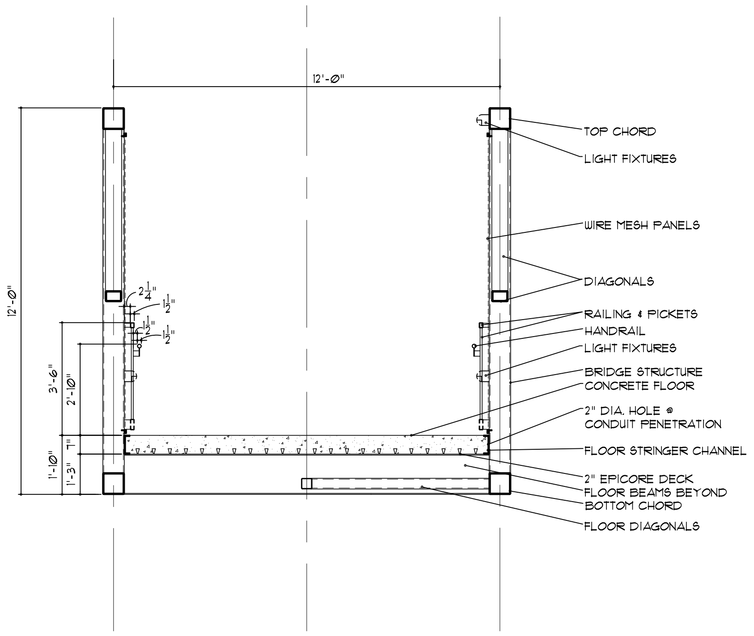


3 PARTIAL EXISTING SITE MAP



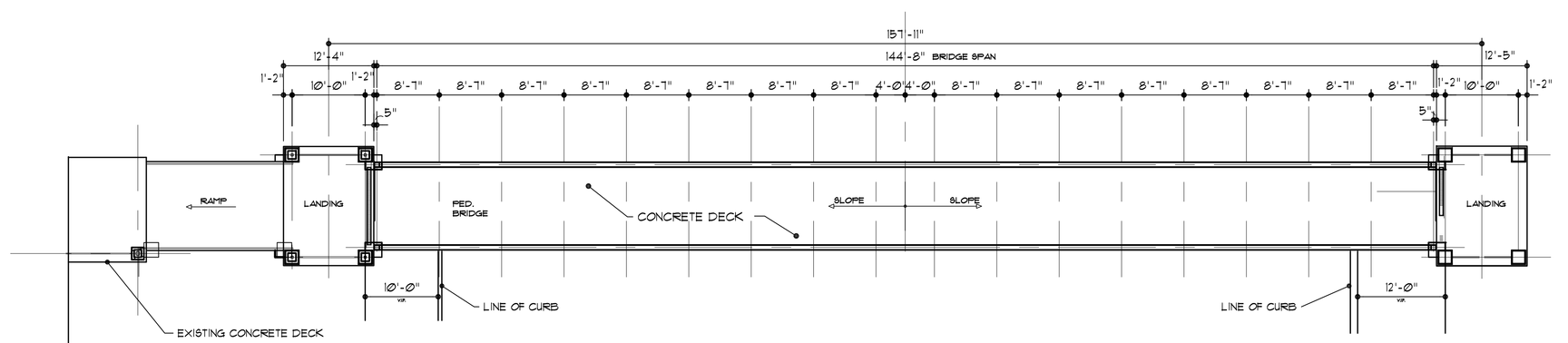
2 BRIDGE WEST ELEVATION

0 5'-4" 10'-8" 21'-4"
SCALE: 3/32" = 1'-0"



4 BRIDGE SECTION

SCALE: 3/8" = 1'-0"



NOTE: 1. CURRENT TOPOGRAPHIC SURVEY WILL BE PROVIDED
2. ABUTMENTS & APPROACHES ARE BY SEPARATE CONTRACT

1 BRIDGE PLAN

0 5'-4" 10'-8" 21'-4"
SCALE: 3/32" = 1'-0"

BID SET

REFERENCE NOTES

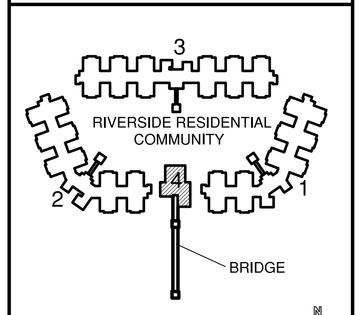
GENERAL NOTES

REVISIONS

WSV ARCHITECTS
2715 7TH STREET TUSCALOOSA ALABAMA 35401
TEL (205) 345-6110 FAX (205) 345-6696
WWW . WSV-ARCHITECTS . COM

REPLACEMENT OF
HACKBERRY LANE PEDESTRIAN BRIDGE

THE UNIVERSITY OF ALABAMA
TUSCALOOSA, ALABAMA
UA PROJECT #000-13-045



BRIDGE REPLACEMENT PACKAGE

PLAN & ELEVATIONS

DATE: 03/20/13
PROJ NO: 12-059

A101

THE UNIVERSITY OF ALABAMA

CERTIFICATION OF COMPLIANCE WITH THE STATE OF ALABAMA IMMIGRATION LAW

The undersigned officer of _____ (Company) certifies to the Board of Trustees of the University of Alabama that the Company does not employ an individual or individuals within the State of Alabama.

_____
SIGNATURE OF COMPANY OFFICER

_____
PRINT COMPANY NAME

_____
PRINT NAME OF COMPANY OFFICER

_____
PRINT TITLE OF COMPANY OFFICER

_____
DATE

Click any for help
Home
My Cases
New Cases
View Cases
Search Cases
My Profile
Edit Profile
Change Password
Change Security Questions
My Company
Edit Company Profile
Add New User
View Existing Users
Close Company Account
My Reports
View Reports
My Resources
View Essential Resources
Take Tutorial
View User Manual
Contact Us

Company Information

View/Edit

Company Name:

Company ID Number:

Doing Business As (DBA) Name:

DUNS Number:

Physical Location:

Address 1:

Address 2:

City:

State:

Zip Code:

County:

Mailing Address:

Address 1:

Address 2:

City:

State:

Zip Code:

Additional Information:

Employer Identification Number:

Total Number of Employees:

Parent Organization:

Administrator:

Organization Designation:

Employer Category:

Federal Contractor Category:

Employees being verified:

NAICS Code: View/Edit

Total Hiring Sites: View/Edit

Total Points of Contact: View/Edit

View MOU

THE UNIVERSITY OF
ALABAMA

DISCLOSURE STATEMENT

1. Contract/Purchase Order No. _____

2. Name of Contract/Grantee: _____
   Address: _____
   _____
   Telephone: _____
   Fax: _____

3. Nature of Contract/Grant: _____
   _____
   _____

4. Does the contractor/grantee have any relationships with any employee or official of the University, or a family member of such employee or official, that will enable such employee or official, or his/her family member, to benefit from this contract? If so, please state the names, relationships, and nature of the benefit.
   _____
   _____
   _____

(For employees of the University, family members include spouse and dependents. For members of the Board of Trustees (officials), family members include spouse, dependents, adult children and their spouses, parents, in-laws, siblings and their spouses.)

This Disclosure Form will be available for public inspection upon request.

The above information is true and accurate, to the best of my knowledge.

_____
Signature of Authorized Agent of Contractor/Grantee

Date: _____

RETURN FORM TO: The University of Alabama
Purchasing Dept.
Box 870130
Tuscaloosa, AL 35487-0130
Ph: (205) 348-5230
Fax: (205) 348-8706
www.purchasing.ua.edu